

PORTABLE INFORMATION STORAGE MEDIUM

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Abstract of JP2000076139

PROBLEM TO BE SOLVED: To erase secret information and to preserve required information upon detecting a physical attack from the outside.

SOLUTION: A sensor element 2 detects the physical attack from the outside. A first memory element 3 is a writable/readable memory and a second memory element 5 is a read-only memory capable of write only once. A voltage monitoring means 8 monitors the output voltage of a battery 7. When the physical attack is detected by the sensor element 2 or when the output voltage abnormality of the battery 7 is detected by a voltage monitoring mechanism 8, a memory control mechanism 6 reads information to be preserved from the memory element 3, writes it in the memory element 5 and erases the secret information stored in the memory element 3.

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